

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1 1. (Currently Amended) A computer controlled method comprising:
2 providing a security credential to a medical wireless sensor associated with
3 a patient at an enrollment station associated with a medical facility;
4 establishing communication between ~~[[a]]the medical~~-wireless sensor and a
5 provisioning device over a location-limited~~at least one preferred~~ channel, ~~thesaid~~
6 wireless sensor configured to send the security credential~~a first commitment~~ to ~~thesaid~~
7 provisioning device over the location-limited~~said at least one preferred~~ channel and to
8 receive a ~~second~~ commitment from ~~thesaid~~ provisioning device over the location-
9 limited~~said at least one preferred~~ channel;
10 receiving at least one of provisioning information or additional application-
11 specific information, site-specific information, network-specific information, or
12 other information that can be used by the wireless sensor from ~~thesaid~~ provisioning
13 device over the location-limited~~said at least one preferred~~ channel, wherein the
14 provisioning information includes a credential and wherein the credential
15 facilitates the wireless sensor to become~~becoming~~ a member of a secure credential
16 infrastructure; and
17 automatically configuring ~~thesaid~~ wireless sensor for transmitting sensor
18 information over a secure communication channel responsive to ~~thesaid~~ provisioning
19 information.

- 1 2. (Currently Amended) The computer controlled method of claim 1, wherein
2 thesaid provisioning information comprises a credential.

1 3. (Currently Amended) The computer controlled method of claim 1, wherein
2 ~~thesaid~~ provisioning information further comprises one or more of patient data, limit
3 data, alarm data, dosage data, interval data, access data, physician data, caregiver data,
4 nurse data, insurance data or room assignment data.

1 4. (Currently Amended) The computer controlled method of claim 3, further
2 comprising transmitting ~~the said~~ sensor information over ~~thesaid~~ secure
3 communication channel.

1 5. (Currently Amended) The computer controlled method of claim 1, wherein
2 ~~thesaid~~ provisioning information further comprises one or more of sensitivity data,
3 target data, image recognition data, or noise characteristics.

1 6. (Currently Amended) The computer controlled method of claim 1, wherein
2 ~~the said~~ wireless sensor senses one or more of medical information, location
3 information, proximity information, environmental information, or vehicle
4 information.

1 7. (Currently Amended) A computer-readable storage medium storing
2 instructions that when executed by a computer ~~in a wireless sensor~~ cause the computer
3 to perform a method comprising steps of:
4 providing a security credential to a medical wireless sensor associated with
5 a patient at an enrollment station associated with a medical facility;
6 establishing communication between ~~said wireless~~ the medical sensor and a
7 provisioning device over a location-limited ~~at least one preferred~~ channel, ~~thesaid~~
8 wireless sensor configured to send the security credentials ~~send a first commitment to~~
9 ~~thesaid~~ provisioning device over the location-limited ~~said at least one preferred~~ channel

10 and to receive a ~~second~~ commitment from the said provisioning device over the
11 location-limited ~~said at least one preferred~~ channel;
12 receiving at least one of provisioning information or additional application-
13 specific information, site-specific information, network-specific information, or
14 other information that can be used by the wireless sensor from the said provisioning
15 device over the location-limited ~~said at least one preferred~~ channel, wherein the
16 provisioning information includes a credential and wherein the credential
17 facilitates the wireless sensor to become ~~becoming~~ a member of a secure credential
18 infrastructure; and
19 automatically configuring the said wireless sensor for transmitting sensor
20 information over a secure communication channel responsive to said provisioning
21 information.

1 8. (Currently Amended) The computer-readable storage medium of
2 claim 7, wherein the said provisioning information comprises a credential.

1 9. (Currently Amended) The computer-readable storage medium of claim 7,
2 wherein the said provisioning information further comprises one or more of patient
3 data, limit data, alarm data, dosage data, interval data, access data, physician data,
4 caregiver data, nurse data, insurance data or room assignment data.

1 10. (Currently Amended) The computer-readable storage medium of claim 9,
2 further comprising transmitting the said sensor information over the said secure
3 communication channel.

1 11. (Currently Amended) The computer-readable storage medium of claim 7,
2 wherein the said provisioning information further comprises one or more of sensitivity
3 data, target data, image recognition data, or noise characteristics.

1 12. (Currently Amended) The computer-readable storage medium of claim 7,
2 wherein ~~the said~~ wireless sensor senses one or more of medical information, location
3 information, proximity information, environmental information, or vehicle
4 information.

1 13. (Currently Amended) A wireless apparatus comprising:
2 a mechanism configured to provide a security credential to a medical wireless
3 sensor associated with a patient at an enrollment station associated with a medical
4 facility;
5 at least one port configured to establish a location-limited~~at least one preferred~~
6 channel;
7 a preferred channel communication mechanism configured ~~to be able to~~
8 establish communication with a provisioning device over the location-limited
9 channel, ~~said at least one preferred channel~~ the preferred channel communication
10 mechanism further configured ~~to be able to~~ send the security credential ~~a first~~
11 ~~commitment to the said~~ provisioning device over the location-limited ~~said at least one~~
12 ~~preferred channel and to be able to receive a second commitment from the said~~
13 provisioning device over ~~said the location-limited~~~~at least one preferred~~ channel:
14 a receiver mechanism configured ~~to be able to~~ receive at least one of
15 provisioning information or additional application-specific information, site-specific
16 information, network-specific information, or other information that can be used by
17 the wireless sensor from said provisioning device over the location-limited ~~said at least~~
18 ~~one preferred channel~~, wherein the provisioning information includes a credential
19 and wherein the credential facilitates the wireless sensor to become~~becoming~~ a
20 member of a secure credential infrastructure; and

21 an automatic configuration mechanism to enable ~~the~~said wireless sensor to
22 transmit sensor information over a secure communication channel established
23 responsive to said provisioning information.

1 14. (Currently Amended) The apparatus of claim 13, wherein ~~the~~said
2 provisioning information comprises a credential.

1 15. (Currently Amended) The apparatus of claim 13, wherein ~~the~~said
2 provisioning information further comprises one or more of patient data, limit data,
3 alarm data, dosage data, interval data, access data, physician data, caregiver data, nurse
4 data, insurance data, room assignment data, sensitivity data, target data, image
5 recognition data, activation data, or noise characteristics.

1 16. (Currently Amended) The apparatus of claim 15, further comprising a
2 transmission mechanism configured to transmit ~~the~~said sensor information over
3 ~~the~~said secure communication channel.

1 17. (Currently Amended) The apparatus of claim 13, ~~wherein wireless~~
2 ~~apparatus~~ further comprisinging a sensor for measuring ~~the~~said sensor information.

1 18. (Currently Amended) The apparatus of claim 13, wherein ~~the~~said wireless
2 sensor senses one or more of medical information, location information, proximity
3 information, environmental information, or vehicle information.

1 19. (Currently Amended) The apparatus of claim 13, wherein ~~the~~said
2 sensor information is status information about the apparatus.

1 20. (Currently Amended) The computer controlled method of claim 1,
2 wherein the location-limited~~said at least one preferred~~ channel comprises a single
3 preferred channel capable of communicating both from the~~said~~ wireless sensor to
4 the~~said~~ provisioning device and from the~~said~~ provisioning device to the~~said~~ wireless
5 sensor.

1 21. (Currently Amended) The computer controlled method of claim 1,
2 wherein the location-limited ~~said at least one preferred~~ channel comprises two separate
3 channels, including a first location-limited~~preferred~~ channel capable of
4 communicating from the~~said~~ wireless sensor to the~~said~~ provisioning device and a
5 second location-limited~~preferred~~ channel capable of communicating from the~~said~~
6 provisioning device to the~~said~~ wireless sensor.

1 22. (Currently Amended) The computer-readable storage medium of claim
2 7, wherein the location-limited ~~said at least one preferred~~ channel comprises a single
3 location-limited~~preferred~~ channel capable of communicating both from the~~said~~
4 wireless sensor to the~~said~~ provisioning device and from the~~said~~ provisioning device to
5 the~~said~~ wireless sensor.

1 23. (Currently Amended) The computer-readable storage medium of claim 7,
2 wherein ~~said at least one preferred~~ the location-limited channel comprises two separate
3 channels, including a first location-limited ~~preferred~~ channel capable of
4 communicating from the ~~said~~ wireless sensor to the ~~said~~ provisioning device and a
5 second location-limited~~preferred~~ channel capable of communicating from the~~said~~
6 provisioning device to the~~said~~ wireless sensor.

1 24. (Currently Amended) The apparatus of claim 13, wherein the location-
2 limited ~~said at least one preferred~~ channel

3 comprises a single location-limited~~preferred~~ channel capable of communicating
4 both from ~~the~~said wireless sensor to ~~the~~said provisioning device and from ~~the~~said
5 provisioning device to ~~the~~said wireless sensor.

1 25. (Currently Amended) The apparatus of claim 13, wherein ~~said~~ the
2 location-limited~~at least one preferred~~ channel comprises two separate channels,
3 including a first location-limited~~preferred~~ channel capable of communicating from
4 ~~the~~said wireless sensor to ~~the~~said provisioning device and a second location-limited
5 ~~preferred~~ channel capable of communicating from ~~the~~said provisioning device to
6 ~~the~~said wireless sensor.